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☐ 1. Document ID: US 6852705 B2

L3: Entry 1 of 9

File: USPT

Feb 8, 2005

US-PAT-NO: 6852705

DOCUMENT-IDENTIFIER: US 6852705 B2

TITLE: DNA vaccines for farm animals, in particular bovines and porcines

DATE-ISSUED: February 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Audonnet; Jean-Christophe Francis	Lyons			FR
Fischer; Laurent Bernard	Sainte Foy les Lyon			FR
Barzu-Le-Roux; Simona	Lentilly			FR

US-CL-CURRENT: 514/44; 424/184.1, 424/278.1, 424/283.1, 435/320.1, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D.
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☐ 2. Document ID: US 6703231 B2

L3: Entry 2 of 9

File: USPT

Mar 9, 2004

US-PAT-NO: 6703231

DOCUMENT-IDENTIFIER: US 6703231 B2

TITLE: gM-negative EHV-mutants

DATE-ISSUED: March 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Elbers; Knut	Gau-Algesheim			DE
Osterrieder; Nikolaus	Wampen			DE
Seyboldt; Christian	Hannover			DE

US-CL-CURRENT: 435/235.1; 424/184.1, 424/204.1, 424/229.1, 435/5, 435/6, 435/7.1, 530/300, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D.
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☐ 3. Document ID: US 6645740 B1

L3: Entry 3 of 9

File: USPT

Nov 11, 2003

US-PAT-NO: 6645740

DOCUMENT-IDENTIFIER: US 6645740 B1

**** See image for Certificate of Correction ****

TITLE: Nucleic acids encodings equine GM-CSF

DATE-ISSUED: November 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bublot; Michel	Delmar	NY		
Perez; Jennifer Maria	East Nassau	NY		
Andreoni; Christine Michele Pierrette	Villette d'Anthon			FR

US-CL-CURRENT: 435/69.5; 435/252.3, 435/320.1, 435/325, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D.
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☐ 4. Document ID: US 6342372 B1

L3: Entry 4 of 9

File: USPT

Jan 29, 2002

US-PAT-NO: 6342372

DOCUMENT-IDENTIFIER: US 6342372 B1

TITLE: Eukaryotic layered vector initiation systems for production of recombinant proteins

DATE-ISSUED: January 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dubensky, Jr.; Thomas W.	Rancho Sante Fe	CA		
Polo; John M.	San Diego	CA		
Driver; David A.	San Diego	CA		

US-CL-CURRENT: 435/69.1; 435/455, 536/23.2, 536/23.72, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D.
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☐ 5. Document ID: US 6342216 B1

L3: Entry 5 of 9

File: USPT

Jan 29, 2002

US-PAT-NO: 6342216

DOCUMENT-IDENTIFIER: US 6342216 B1

**** See image for Certificate of Correction ****

TITLE: Therapy of cancer by insect cells containing recombinant baculovirus encoding genes

DATE-ISSUED: January 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fidler; Isaiah J.	Houston	TX		
Dhong; Zhongyun	Sugarland	TX		
Lu; Weixin	Houston	TX		

US-CL-CURRENT: 424/93.21; 424/93.1, 424/93.2, 435/320.1, 435/325, 435/348, 435/455,
435/456, 435/69.51, 536/23.1, 536/23.5, 536/23.52

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KBMC	Draw D
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☐ 6. Document ID: US 6218371 B1

L3: Entry 6 of 9

File: USPT

Apr 17, 2001

US-PAT-NO: 6218371

DOCUMENT-IDENTIFIER: US 6218371 B1

**** See image for Certificate of Correction ****

TITLE: Methods and products for stimulating the immune system using immunotherapeutic oligonucleotides and cytokines

DATE-ISSUED: April 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Krieg; Arthur M.	Iowa City	IA		
Weiner; George	Iowa City	IA		

US-CL-CURRENT: 514/44; 424/180.1, 424/185.1, 435/455, 435/6, 435/91.1, 514/2,
536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KBMC	Draw D
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☐ 7. Document ID: US 6086902 A

L3: Entry 7 of 9

File: USPT

Jul 11, 2000

US-PAT-NO: 6086902

DOCUMENT-IDENTIFIER: US 6086902 A

**** See image for Certificate of Correction ****

TITLE: Recombinant bovine herpesvirus type 1 vaccines

DATE-ISSUED: July 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zamb; Timothy	Setauket	NY		
Liang; Xiaoping	Saskatoon			CA
Babiuk; Lorne A.	Saskatoon			CA

US-CL-CURRENT: 424/209.1; 424/204.1, 424/205.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	INDEX	Draw D
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☐ 8. Document ID: US 6015686 A

L3: Entry 8 of 9

File: USPT

Jan 18, 2000

US-PAT-NO: 6015686

DOCUMENT-IDENTIFIER: US 6015686 A

TITLE: Eukaryotic layered vector initiation systems

DATE-ISSUED: January 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dubensky, Jr.; Thomas W.	Rancho Sante Fe	CA		
Polo; John M.	San Diego	CA		
Jolly; Douglas J.	Leucadia	CA		
Driver; David A.	San Diego	CA		

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 435/410, 435/455, 435/456, 536/23.5, 536/23.72, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	INDEX	Draw D
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☐ 9. Document ID: US 5843723 A

L3: Entry 9 of 9

File: USPT

Dec 1, 1998

US-PAT-NO: 5843723

DOCUMENT-IDENTIFIER: US 5843723 A

**** See image for Certificate of Correction ****

TITLE: Alphavirus vector constructs

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dubensky, Jr.; Thomas W.	Rancho Sante Fe	CA		
Polo; John M.	San Diego	CA		
Ibanez; Carlos E.	San Diego	CA		
Chang; Stephen M. W.	San Diego	CA		
Jolly; Douglas J.	Leucadia	CA		
Driver; David A.	San Diego	CA		
Belli; Barbara A.	San Diego	CA		

US-CL-CURRENT: [435/69.3](#); [435/235.1](#), [435/320.1](#), [435/325](#)

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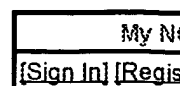
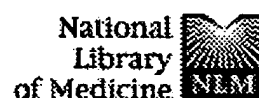
Equine herpesvirus and gM.clm.

9

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1: Virology. 2002 Feb 15;293(2):356-67.

Related Articles, Links

**Equine herpesvirus type 1 devoid of gM and gp2 is severely impaired in virus egress but not direct cell-to-cell spread.****Rudolph J, Osterrieder N.**

Institute of Molecular Biology, Federal Research Centre for Virus Diseases of Animals, D-17498 Insel Riems, Germany.

Experiments were conducted to analyze the effects of a simultaneous deletion of glycoprotein M (gM) and glycoprotein 2 (gp2) of equine herpesvirus type 1 (EHV-1). EHV-1 strain RacH was cloned as a bacterial artificial chromosome (pRacH) by homologous recombination of a mini F plasmid into the unique short region of the genome, thereby deleting gene 71 encoding gp2. Upon transfection of the pRacH DNA into rabbit kidney RK13 cells, virus plaques were visible from day 1 after transfection. The mutant RacH virus (H Delta gp2) reconstituted from pRacH lacked gene 71 and did not express gp2 as assayed by indirect immunofluorescence analysis using gp2-specific monoclonal antibodies. The H Delta gp2 virus exhibited 10-fold reduced extracellular titers and an approximately 10% reduction in mean plaque diameters when compared to parental or gp2-revertant virus. The gM open reading frame was deleted from pRacH by recE/T mediated mutagenesis in *Escherichia coli*. The gM-gp2 double negative virus mutant (H Delta gp2gM) did not express either of the deleted glycoproteins as demonstrated by indirect immunofluorescence analysis. The H Delta gp2gM virus exhibited a 200-fold reduction of end-point extracellular titers when compared to parental RacH virus, which could not be compensated for by growth of the mutant virus on gM-expressing cells. After restoration of the gM open reading frame, however, growth of the mutant virus was comparable to the H Delta gp2 virus. Plaque diameters of the gM-gp2 double-negative mutant were reduced by only 16% when compared to that of parental RacH virus. From the results it was concluded that the simultaneous absence of gM and gp2 had an additive effect on egress but not secondary envelopment or cell-to-cell spread of EHV-1.

PMID: 11886256 [PubMed - indexed for MEDLINE]



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J Gen Virol. 2005 Jan;86(Pt 1):11-21.

PMID: 15604427 [PubMed - indexed for MEDLINE]

☐ **2:** [Rudolph J, Osterrieder N.](#) [Related Articles, Links](#) **Equine herpesvirus type 1 devoid of gM and gp2 is severely impaired in virus egress but not direct cell-to-cell spread.**

Virology. 2002 Feb 15;293(2):356-67.

PMID: 11886256 [PubMed - indexed for MEDLINE]

☐ **3:** [Neubauer A, Osterrieder N.](#) [Related Articles, Links](#) **Equine herpesvirus type 1 (EHV-1) glycoprotein K is required for efficient cell-to-cell spread and virus egress.**

Virology. 2004 Nov 10;329(1):18-32.

PMID: 15476871 [PubMed - indexed for MEDLINE]

☐ **4:** [Osterrieder N, Neubauer A, Brandmuller C, Braun B, Kaaden OR, Baines JD.](#) [Related Articles, Links](#) **The equine herpesvirus 1 glycoprotein gp21/22a, the herpes simplex virus type 1 gM homolog, is involved in virus penetration and cell-to-cell spread of virions.**

J Virol. 1996 Jun;70(6):4110-5.

PMID: 8648751 [PubMed - indexed for MEDLINE]

☐ **5:** [Schimmer C, Neubauer A.](#) [Related Articles, Links](#) **The equine herpesvirus 1 UL11 gene product localizes to the trans-golgi network and is involved in cell-to-cell spread.**

Virology. 2003 Mar 30;308(1):23-36.


















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☐ **6:** [Rudolph J, Seyboldt C, Granzow H, Osterrieder N.](#) [Related Articles, Links](#) **The gene 10 (UL49.5) product of equine herpesvirus 1 is necessary and sufficient for functional processing of glycoprotein M.**


J Virol. 2002 Mar;76(6):2952-63.

PMID: 11861861 [PubMed - indexed for MEDLINE]


☐ **7:** [Cheshenko N, Herold BC.](#) [Related Articles, Links](#)**Glycoprotein B plays a predominant role in mediating herpes simplex virus**


-  type 2 attachment and is required for entry and cell-to-cell spread.
J Gen Virol. 2002 Sep;83(Pt 9):2247-55.
PMID: 12185280 [PubMed - indexed for MEDLINE]
-  **8:** [Granzow H, Klupp BG, Fuchs W, Veits J, Osterrieder N, Mettenleiter TC.](#) [Related Articles, Links](#)
-  Egress of alphaherpesviruses: comparative ultrastructural study.
J Virol. 2001 Apr;75(8):3675-84.
PMID: 11264357 [PubMed - indexed for MEDLINE]
-  **9:** [Oomens AG, Wertz GW.](#) [Related Articles, Links](#)
-  trans-Complementation allows recovery of human respiratory syncytial viruses that are infectious but deficient in cell-to-cell transmission.
J Virol. 2004 Sep;78(17):9064-72.
PMID: 15308702 [PubMed - indexed for MEDLINE]
-  **10:** [Osterrieder N, Neubauer A, Brandmuller C, Kaaden OR, O'Callaghan DJ.](#) [Related Articles, Links](#)
-  The equine herpesvirus 1 IR6 protein influences virus growth at elevated temperature and is a major determinant of virulence.
Virology. 1996 Dec 15;226(2):243-51.
PMID: 8955044 [PubMed - indexed for MEDLINE]
-  **11:** [Matsumura T, Kondo T, Sugita S, Damiani AM, O'Callaghan DJ, Imagawa H.](#) [Related Articles, Links](#)
-  An equine herpesvirus type 1 recombinant with a deletion in the gE and gI genes is avirulent in young horses.
Virology. 1998 Mar 1;242(1):68-79.
PMID: 9501037 [PubMed - indexed for MEDLINE]
-  **12:** [Neubauer A, Rudolph J, Brandmuller C, Just FT, Osterrieder N.](#) [Related Articles, Links](#)
-  The equine herpesvirus 1 UL34 gene product is involved in an early step in virus egress and can be efficiently replaced by a UL34-GFP fusion protein.
Virology. 2002 Sep 1;300(2):189-204.
PMID: 12350350 [PubMed - indexed for MEDLINE]
-  **13:** [Fuchs W, Klupp BG, Granzow H, Rziha HJ, Mettenleiter TC.](#) [Related Articles, Links](#)
-  Identification and characterization of the pseudorabies virus UL3.5 protein, which is involved in virus egress.
J Virol. 1996 Jun;70(6):3517-27.
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-  **14:** [Seyboldt C, Granzow H, Osterrieder N.](#) [Related Articles, Links](#)
-  Equine herpesvirus 1 (EHV-1) glycoprotein M: effect of deletions of transmembrane domains.
Virology. 2000 Dec 20;278(2):477-89.
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-  **15:** [Garko-Buczynski KA, Smith RH, Kim SK, O'Callaghan DJ.](#) [Related Articles, Links](#)
-  Complementation of a replication-defective mutant of equine herpesvirus type 1 by a cell line expressing the immediate-early protein.
Virology. 1998 Aug 15;248(1):83-94.
PMID: 9705258 [PubMed - indexed for MEDLINE]


 **16:** [Sun Y, MacLean AR, Aitken JD, Brown SM.](#) [Related Articles, Links](#)

 **The role of the gene 71 product in the life cycle of equine herpesvirus 1.**
J Gen Virol. 1996 Mar;77 (Pt 3):493-500.
PMID: 8601787 [PubMed - indexed for MEDLINE]


 **17:** [Feng X, Thompson YG, Lewis JB, Caughman GB.](#) [Related Articles, Links](#)

 **Expression and function of the equine herpesvirus 1 virion-associated host shutoff homolog.**
J Virol. 1996 Dec;70(12):8710-8.
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 **18:** [von Einem J, Wellington J, Whalley JM, Osterrieder K, O'Callaghan DJ, Osterrieder N.](#) [Related Articles, Links](#)

 **The truncated form of glycoprotein gp2 of equine herpesvirus 1 (EHV-1) vaccine strain KyA is not functionally equivalent to full-length gp2 encoded by EHV-1 wild-type strain RacL11.**
J Virol. 2004 Mar;78(6):3003-13.
PMID: 14990719 [PubMed - indexed for MEDLINE]

 **19:** [Desai P, Sexton GL, McCaffery JM, Person S.](#) [Related Articles, Links](#)




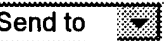

 **A null mutation in the gene encoding the herpes simplex virus type 1 UL37 polypeptide abrogates virus maturation.**
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PMID: 11581394 [PubMed - indexed for MEDLINE]

 **20:** [Jayachandra S, Baghian A, Kousoulas KG.](#) [Related Articles, Links](#)

 **Herpes simplex virus type 1 glycoprotein K is not essential for infectious virus production in actively replicating cells but is required for efficient envelopment and translocation of infectious virions from the cytoplasm to the extracellular space.**
J Virol. 1997 Jul;71(7):5012-24.
PMID: 9188566 [PubMed - indexed for MEDLINE]

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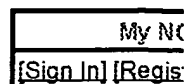
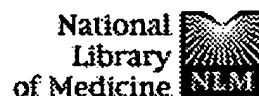
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☐ 41: [Klupp BG, Baumeister J, Dietz P, Granzow H, Mettenleiter TC.](#) Related Articles, Links

Pseudorabies virus glycoprotein gK is a virion structural component involved in virus release but is not required for entry.

J Virol. 1998 Mar;72(3):1949-58.

PMID: 9499048 [PubMed - indexed for MEDLINE]

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Glycoprotein gp50-negative pseudorabies virus: a novel approach toward a nonspreading live herpesvirus vaccine.

J Virol. 1993 Mar;67(3):1529-37.

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Intracellular processing of pseudorabies virus glycoprotein M (gM): gM of strain Bartha lacks N-glycosylation.

Virology. 1997 Oct 13;237(1):113-22.

PMID: 9344913 [PubMed - indexed for MEDLINE]

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The herpes simplex virus type 1 U(L)17 gene encodes virion tegument proteins that are required for cleavage and packaging of viral DNA.

J Virol. 1998 May;72(5):3779-88.

PMID: 9557660 [PubMed - indexed for MEDLINE]

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A pseudorabies virus recombinant simultaneously lacking the major tegument proteins encoded by the UL46, UL47, UL48, and UL49 genes is viable in cultured cells.

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PMID: 14610211 [PubMed - indexed for MEDLINE]

☐ 46: [Klupp BG, Fuchs W, Weiland E, Mettenleiter TC.](#) Related Articles, Links

Pseudorabies virus glycoprotein L is necessary for virus infectivity but dispensable for virion localization of glycoprotein H.

J Virol. 1997 Oct;71(10):7687-95.

PMID: 9311852 [PubMed - indexed for MEDLINE]

☐ 47: [Foster TP, Rybachuk GV, Kousoulas KG.](#) Related Articles, Links

Expression of the enhanced green fluorescent protein by herpes simplex

virus type 1 (HSV-1) as an in vitro or in vivo marker for virus entry and replication.

J Virol Methods. 1998 Nov;75(2):151-60.

PMID: 9870590 [PubMed - indexed for MEDLINE]

-  **48:** [Schmidt J, Klupp BG, Karger A, Mettenleiter TC.](#)


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Adaptability in herpesviruses: glycoprotein D-independent infectivity of pseudorabies virus.

J Virol. 1997 Jan;71(1):17-24.

PMID: 8985318 [PubMed - indexed for MEDLINE]

-  **49:** [Kopp A, Mettenleiter TC.](#)


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Stable rescue of a glycoprotein gII deletion mutant of pseudorabies virus by glycoprotein gI of bovine herpesvirus 1.

J Virol. 1992 May;66(5):2754-62.

PMID: 1313900 [PubMed - indexed for MEDLINE]

-  **50:** [Neubauer A, Braun B, Brandmuller C, Kaaden OR, Osterrieder N.](#)


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Analysis of the contributions of the equine herpesvirus 1 glycoprotein gB homolog to virus entry and direct cell-to-cell spread.

Virology. 1997 Jan 20;227(2):281-94.

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-  **51:** [Fuchs W, Klupp BG, Granzow H, Hengartner C, Brack A, Mundt A, Enquist I, W, Mettenleiter TC.](#)

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Physical interaction between envelope glycoproteins E and M of pseudorabies virus and the major tegument protein UL49.

J Virol. 2002 Aug;76(16):8208-17.

PMID: 12134026 [PubMed - indexed for MEDLINE]

-  **52:** [Desai P, DeLuca NA, Person S.](#)


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Herpes simplex virus type 1 VP26 is not essential for replication in cell culture but influences production of infectious virus in the nervous system of infected mice.

Virology. 1998 Jul 20;247(1):115-24.

PMID: 9683577 [PubMed - indexed for MEDLINE]

-  **53:** [Baines JD, Ward PL, Campadelli-Fiume G, Roizman B.](#)


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The UL20 gene of herpes simplex virus 1 encodes a function necessary for viral egress.

J Virol. 1991 Dec;65(12):6414-24.

PMID: 1719228 [PubMed - indexed for MEDLINE]

-  **54:** [Yao H, Osterrieder N, O'Callaghan DJ.](#)

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Generation and characterization of an EICP0 null mutant of equine herpesvirus 1.

Virus Res. 2003 Dec;98(2):163-72.

PMID: 14659563 [PubMed - indexed for MEDLINE]

-  **55:** [Csellner H, Walker C, Love DN, Whalley JM.](#)

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An equine herpesvirus 1 mutant with a lacZ insertion between open reading frames 62 and 63 is replication competent and causes disease in the murine respiratory model.

Arch Virol. 1998;143(11):2215-31.

PMID: 9856103 [PubMed - indexed for MEDLINE]


-  **56:** [Patel JR, Foldi J, Bateman H, Williams J, Didlick S, Stark R.](#) [Related Articles, Links](#)



Equid herpesvirus (EHV-1) live vaccine strain C147: efficacy against respiratory diseases following EHV types 1 and 4 challenges.

Vet Microbiol. 2003 Mar 20;92(1-2):1-17.

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-  **57:** [Naeger LK, Cater J, Pintel DJ.](#) [Related Articles, Links](#)



The small nonstructural protein (NS2) of the parvovirus minute virus of mice is required for efficient DNA replication and infectious virus production in a cell-type-specific manner.

J Virol. 1990 Dec;64(12):6166-75.

PMID: 2147041 [PubMed - indexed for MEDLINE]

-  **58:** [Meindl A, Osterrieder N.](#) [Related Articles, Links](#)



The equine herpesvirus 1 Us2 homolog encodes a nonessential membrane-associated virion component.

J Virol. 1999 Apr;73(4):3430-7.

PMID: 10074198 [PubMed - indexed for MEDLINE]

-  **59:** [Jacobs A, Tjuvajev JG, Dubrovin M, Akhurst T, Balatoni J, Beattie B, Joshi R, Finn R, Larson SM, Herrlinger U, Pechan PA, Chiocca EA, Breakefield XO, Blasberg RG.](#) [Related Articles, Links](#)



Positron emission tomography-based imaging of transgene expression mediated by replication-conditional, oncolytic herpes simplex virus type 1 mutant vectors in vivo.

Cancer Res. 2001 Apr 1;61(7):2983-95.

PMID: 11306477 [PubMed - indexed for MEDLINE]

-  **60:** [Berthomme H, Fournel S, Epstein AL.](#) [Related Articles, Links](#)



Increased transcomplementation properties of plasmids carrying HSV-1 origin of replication and packaging signals.

Virology. 1996 Feb 15;216(2):437-43.

PMID: 8607275 [PubMed - indexed for MEDLINE]

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☐ 1. Document ID: MX 2004002124 A1, WO 2003023041 A2, DE 10143813 A1, US 20040038198 A1, EP 1440149 A2, KR 2004039295 A, AU 2002333800 A1, BR 200212312 A, HU 200401585 A2, JP 2005502361 W, CN 1551913 A

L10: Entry 1 of 7

File: DWPI

Jul 1, 2004

DERWENT-ACC-NO: 2003-333043

DERWENT-WEEK: 200545

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TITLE: New DNA molecule useful for manufacturing a vaccine for the prophylaxis and treatment of Bovine Viral Diarrhea Virus (BVDV) infections, comprises a sequence complementary to a BVDV RNA

INVENTOR: ELBERS, K; MEYER, C ; MEYERS, G ; VON FREYBURG, M

PRIORITY-DATA: 2001DE-1043813 (September 6, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>MX 2004002124 A1</u>	July 1, 2004		000	A61K039/12
<u>WO 2003023041 A2</u>	March 20, 2003	E	037	C12N015/86
<u>DE 10143813 A1</u>	April 10, 2003		000	C12N007/00
<u>US 20040038198 A1</u>	February 26, 2004		000	C12Q001/70
<u>EP 1440149 A2</u>	July 28, 2004	E	000	C12N007/04
<u>KR 2004039295 A</u>	May 10, 2004		000	C12N007/00
<u>AU 2002333800 A1</u>	March 24, 2003		000	C12N015/86
<u>BR 200212312 A</u>	October 13, 2004		000	C12N007/04
<u>HU 200401585 A2</u>	November 29, 2004		000	C12N015/86
<u>JP 2005502361 W</u>	January 27, 2005		110	C12N015/09
<u>CN 1551913 A</u>	December 1, 2004		000	C12N007/04

INT-CL (IPC): A61 K 39/12; A61 P 31/14; C07 H 21/04; C07 K 14/01; C07 K 14/18; C12 N 7/00; C12 N 7/01; C12 N 7/02; C12 N 7/04; C12 N 15/09; C12 N 15/34; C12 N 15/63; C12 N 15/86; C12 Q 1/70

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw D
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☐ 2. Document ID: BR 200207988 A, WO 200272802 A2, SK 200301128 A3, HU 200303431 A2, KR 2003082960 A, CZ 200302743 A3, AU 2002256653 A1, EP 1421184 A2, JP 2004534522 W

L10: Entry 2 of 7

File: DWPI

Oct 26, 2004

DERWENT-ACC-NO: 2002-723343

DERWENT-WEEK: 200479

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TITLE: New attenuated European porcine reproductive and respiratory syndrome (PRRS) virus, useful for manufacturing a vaccine against PRRS, i.e. for the prophylaxis and treatment of PRRS infection

INVENTOR: ELBERS, K; PESCHKE, S ; SCHUETZ, B ; PESCH, S

PRIORITY-DATA: 2001US-274603P (March 9, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>BR 200207988 A</u>	October 26, 2004		000	C12N007/04
<u>WO 200272802 A2</u>	September 19, 2002	E	075	C12N007/04
<u>SK 200301128 A3</u>	February 3, 2004		000	C12N007/04
<u>HU 200303431 A2</u>	January 28, 2004		000	C12N007/04
<u>KR 2003082960 A</u>	October 23, 2003		000	C12N007/04
<u>CZ 200302743 A3</u>	February 18, 2004		000	C12N007/04
<u>AU 2002256653 A1</u>	September 24, 2002		000	C12N007/04
<u>EP 1421184 A2</u>	May 26, 2004	E	000	C12N007/04
<u>JP 2004534522 W</u>	November 18, 2004		109	C12N015/09

INT-CL (IPC): A61 K 39/112; A61 K 39/12; A61 K 39/15; A61 P 11/00; A61 P 15/00; C12 N 5/10; C12 N 7/00; C12 N 7/04; C12 N 7/06; C12 N 7/08; C12 N 15/09; C12 N 15/40

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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3. Document ID: AU 2001250347 B2, WO 200164268 A1, DE 10010123 A1, AU 200150347 A, US 20020058908 A1, NO 200204170 A, EP 1263490 A1, SK 200201250 A3, KR 2002077522 A, CZ 200202970 A3, BR 200108914 A, CN 1407906 A, JP 2003525086 W, HU 200300550 A1, TW 541185 A, US 20040015126 A1, ZA 200206987 A, US 6689092 B2, MX 2002008581 A1, NZ 521723 A

L10: Entry 3 of 7

File: DWPI

Apr 28, 2005

DERWENT-ACC-NO: 2001-557742

DERWENT-WEEK: 200533

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TITLE: Needle-less injector for liquids comprises a tensioning system, an energy storing spring, a hollow piston in a cylinder, and a nozzle

INVENTOR: EICHER, J; ELBERS, K ; GESER, J ; HENKE, S ; REIMHOLZ, R C ; ZIERENBERG, B

PRIORITY-DATA: 2000DE-1010123 (March 3, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>AU 2001250347 B2</u>	April 28, 2005		000	A61M005/30
<u>WO 200164268 A1</u>	September 7, 2001	G	027	A61M005/30

<u>DE 10010123 A1</u>	September 20, 2001		000	A61M005/315
<u>AU 200150347 A</u>	September 12, 2001		000	A61M005/30
<u>US 20020058908 A1</u>	May 16, 2002		000	A61M005/30
<u>NO 200204170 A</u>	September 2, 2002		000	A61M000/00
<u>EP 1263490 A1</u>	December 11, 2002	G	000	A61M005/30
<u>SK 200201250 A3</u>	January 9, 2003		000	A61M005/30
<u>KR 2002077522 A</u>	October 11, 2002		000	A61M005/30
<u>CZ 200202970 A3</u>	February 12, 2003		000	A61M005/30
<u>BR 200108914 A</u>	April 29, 2003		000	A61M005/30
<u>CN 1407906 A</u>	April 2, 2003		000	A61M005/30
<u>JP 2003525086 W</u>	August 26, 2003		032	A61M005/30
<u>HU 200300550 A1</u>	July 28, 2003		000	A61M005/30
<u>TW 541185 A</u>	July 11, 2003		000	A61M005/30
<u>US 20040015126 A1</u>	January 22, 2004		000	A61M005/30
<u>ZA 200206987 A</u>	December 31, 2003		044	A61M000/00
<u>US 6689092 B2</u>	February 10, 2004		000	A61M005/30
<u>MX 2002008581 A1</u>	April 1, 2003		000	A61M005/30
<u>NZ 521723 A</u>	May 28, 2004		000	A61M005/30

TW 541185 A , US 20040015126 A1 , ZA 200206987 A INT-CL (IPC): A61 M 0/00; A61 M 5/30; A61 M 5/315

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Keywords	Drawings
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☐ 4. Document ID: NZ 521365 A, WO 200160403 A1, EP 1129722 A1, AU 200148313 A, EP 1259258 A1, CZ 200202809 A3, BR 200108442 A, CN 1400907 A, HU 200204446 A2, KR 2003032914 A, JP 2003522542 W, US 20030198650 A1, MX 2002008009 A1, US 6703231 B2, US 20040063095 A1

L10: Entry 4 of 7

File: DWPI

Jul 30, 2004

DERWENT-ACC-NO: 2001-536555

DERWENT-WEEK: 200454

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TITLE: Modified Equine Herpes Virus (EHV) for use as a vaccine against EHV

INVENTOR: ELBERS, K; OSTERRIEDER, N ; SEYBOLDT, C

PRIORITY-DATA: 2000EP-0103241 (February 17, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>NZ 521365 A</u>	July 30, 2004		000	A61K039/27
<u>WO 200160403 A1</u>	August 23, 2001	E	033	A61K039/27
<u>EP 1129722 A1</u>	September 5, 2001	E	000	
<u>AU 200148313 A</u>	August 27, 2001		000	A61K039/27
<u>EP 1259258 A1</u>	November 27, 2002	E	000	A61K039/27
<u>CZ 200202809 A3</u>	January 15, 2003		000	A61K039/27
<u>BR 200108442 A</u>	March 25, 2003		000	A61K039/27

<u>CN 1400907 A</u>	March 5, 2003	000	A61K039/27
<u>HU 200204446 A2</u>	May 28, 2003	000	A61K039/27
<u>KR 2003032914 A</u>	April 26, 2003	000	C12N007/01
<u>JP 2003522542 W</u>	July 29, 2003	038	C12N015/09
<u>US 20030198650 A1</u>	October 23, 2003	000	A61K039/255
<u>MX 2002008009 A1</u>	January 1, 2003	000	A61K039/27
<u>US 6703231 B2</u>	March 9, 2004	000	C12N007/00
<u>US 20040063095 A1</u>	April 1, 2004	000	C12Q001/70

20040063095 A1 INT-CL (IPC): A61 K 39/245; A61 K 39/255; A61 K 39/27; A61 K 48/00; A61 P 31/22; C07 H 21/04; C07 K 14/03; C12 N 7/00; C12 N 7/01; C12 N 7/04; C12 N 15/09; C12 N 15/38; C12 Q 1/68; C12 Q 1/70

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Drawings	Drawn
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5. Document ID: US 20040009190 A1, WO 200155353 A2, DE 10003371 A1, DE 10003372 A1, DE 10003373 A1, AU 200128502 A, US 20020012670 A1, BR 200107827 A, CZ 200202554 A3, EP 1254213 A2, SK 200201093 A3, HU 200204176 A2, ZA 200205747 A, CN 1406277 A, JP 2003520601 W, KR 2003032910 A, MX 2002007198 A1

L10: Entry 5 of 7

File: DWPI

Jan 15, 2004

DERWENT-ACC-NO: 2001-483237

DERWENT-WEEK: 200406

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TITLE: Novel live porcine reproductive and respiratory syndrome virus attenuated by mutations in specific site of viral protein coded by specified open reading frames, useful for prophylaxis/treatment of viral infections

INVENTOR: DREIER, H; ELBRES, K ; PESCH, S ; ELBERS, K ; RENGERS, H

PRIORITY-DATA: 2000DE-1003373 (January 26, 2000), 2000DE-1003371 (January 26, 2000), 2000DE-1003372 (January 26, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>US 20040009190 A1</u>	January 15, 2004		000	A61K039/12
<u>WO 200155353 A2</u>	August 2, 2001	E	034	C12N007/04
<u>DE 10003371 A1</u>	August 2, 2001		000	C12N007/00
<u>DE 10003372 A1</u>	August 2, 2001		000	C12N007/00
<u>DE 10003373 A1</u>	August 2, 2001		000	C12N007/00
<u>AU 200128502 A</u>	August 7, 2001		000	C12N007/04
<u>US 20020012670 A1</u>	January 31, 2002		000	C07H021/04
<u>BR 200107827 A</u>	November 5, 2002		000	C12N007/04
<u>CZ 200202554 A3</u>	October 16, 2002		000	C12N007/04
<u>EP 1254213 A2</u>	November 6, 2002	E	000	C12N007/04
<u>SK 200201093 A3</u>	November 6, 2002		000	C12N007/04
<u>HU 200204176 A2</u>	April 28, 2003		000	C12N007/04
<u>ZA 200205747 A</u>	May 28, 2003		047	A61K000/00
<u>CN 1406277 A</u>	March 26, 2003		000	C12N007/04

<u>JP 2003520601 W</u>	July 8, 2003	040	C12N015/09
<u>KR 2003032910 A</u>	April 26, 2003	000	C12N007/04
<u>MX 2002007198 A1</u>	December 1, 2002	000	A61K039/12

JP 2003520601 W , KR 2003032910 A , MX 2002007198 A1 INT-CL (IPC): A61 K 0/00; A61 K 35/76; A61 K 39/12; A61 P 31/12; C07 H 21/04; C07 K 14/08; C12 N 7/00; C12 N 7/01; C12 N 7/02; C12 N 7/04; C12 N 15/09; C12 N 15/40; C12 P 1/00

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw D
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☐ 6. Document ID: AU 777991 B2, WO 200139801 A2, EP 1104676 A1, AU 200125091 A, EP 1237572 A2, US 6610305 B1, MX 2002004236 A1, NZ 519786 A

L10: Entry 6 of 7

File: DWPI

Nov 11, 2004

DERWENT-ACC-NO: 2001-408259

DERWENT-WEEK: 200504

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TITLE: Use of live bovine diarrhea virus with inactivated RNase activity, for the preparation of live vaccine for use in the prevention and/or treatment of BVDV infections in breeding stocks of cattle

INVENTOR: ELBERS, K; MEYERS, G

PRIORITY-DATA: 1999US-170616P (December 14, 1999), 1999EP-0123767 (November 30, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>AU 777991 B2</u>	November 11, 2004		000	A61K039/12
<u>WO 200139801 A2</u>	June 7, 2001	E	021	A61K039/12
<u>EP 1104676 A1</u>	June 6, 2001	E	000	A61K039/12
<u>AU 200125091 A</u>	June 12, 2001		000	A61K039/12
<u>EP 1237572 A2</u>	September 11, 2002	E	000	A61K039/12
<u>US 6610305 B1</u>	August 26, 2003		000	C12N007/00
<u>MX 2002004236 A1</u>	January 1, 2003		000	A61K039/12
<u>NZ 519786 A</u>	October 31, 2003		000	A61K039/12

INT-CL (IPC): A61 K 39/12; A61 P 31/14; C07 K 7/04; C07 K 14/18; C12 N 7/00; C12 N 15/40

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw D
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☐ 7. Document ID: HU 222367 B1, WO 9619498 A2, WO 9619498 A3, EP 772632 A1, JP 09509682 W, HU 75376 T, US 5965134 A, EP 772632 B1, DE 69523055 E, ES 2164169 T3

L10: Entry 7 of 7

File: DWPI

Jun 30, 2003

DERWENT-ACC-NO: 1996-309520

DERWENT-WEEK: 200354

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TITLE: Vaccines for classical swine fever - comprising a classical swine fever virus polypeptide p10 or active part or DNA encoding the polypeptide(s)

INVENTOR: ELBERS, K; PAULY, T ; THIEL, H

PRIORITY-DATA: 1994EP-0203696 (December 20, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>HU 222367 B1</u>	June 30, 2003		000	C07K014/185
<u>WO 9619498 A2</u>	June 27, 1996	E	058	C07K014/185
<u>WO 9619498 A3</u>	August 22, 1996		000	C07K014/185
<u>EP 772632 A1</u>	May 14, 1997	E	000	C07K014/185
<u>JP 09509682 W</u>	September 30, 1997		054	A61K039/12
<u>HU 75376 T</u>	May 28, 1997		000	C07K014/185
<u>US 5965134 A</u>	October 12, 1999		000	A61K039/12
<u>EP 772632 B1</u>	October 4, 2001	E	000	C12N015/40
<u>DE 69523055 E</u>	November 8, 2001		000	C12N015/40
<u>ES 2164169 T3</u>	February 16, 2002		000	C12N015/40

INT-CL (IPC): A61 K 29/187; A61 K 39/12; A61 K 39/187; C07 K 14/18; C07 K 14/185; C12 N 5/10; C12 N 15/00; C12 N 15/09; C12 N 15/40; C12 P 21/02; C12 P 21/02; C12 R 1:91

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	ROUND	Drawn Ds
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<input type="checkbox"/>	L8	Equine herpesvirus and gM	5
<input type="checkbox"/>	L7	gp21/22a	0
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